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MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
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NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS world wide Web Site (general information)

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 15:56:45 ON 16 DEC 2004

=> index bioscience
'BIOSICENCE' IS NOT A VALID FILE NAME
ENTER A FILE NAME OR (IGNORE):end

=> index bioscience
FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
COST IN U.S. DOLLARS

	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	0.21	0.21

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS,
BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB,
CROPU, DDFB, DDFU, DGENE, DISSABS, ...' ENTERED AT 15:57:22 ON 16 DEC 2004

75 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view
search error messages that display as 0* with SET DETAIL OFF.

=> stichodactylidaen
1 FILE BIOTECHABS
1 FILE BIOTECHDS
1 FILE CAPLUS
28 FILE DGENE

1 FILE IFIPAT
55 FILES SEARCHED...
1 FILE TOXCENTER
1 FILE USPATFULL
1 FILE WPIDS
1 FILE WPINDEX

9 FILES HAVE ONE OR MORE ANSWERS, 75 FILES SEARCHED IN STNINDEX

L1 QUE STICHODACTYLIDAEN

=> file biotechabs caplus toxcenter biotechds
COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
1.71	1.92

FILE 'BIOTECHABS' ACCESS NOT AUTHORIZED

FILE 'CAPLUS' ENTERED AT 15:59:02 ON 16 DEC 2004
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=> stichodactylidaen
L2 3 STICHODACTYLIDAEN

=> dup remove
ENTER L# LIST OR (END):12
PROCESSING COMPLETED FOR L2
L3 1 DUP REMOVE L2 (2 DUPLICATES REMOVED)

=> d ti

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 1
TI Far red-shifted fluorescent proteins and their variants from Heteractis
crispis

=> d ab bib

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 1
AB Nucleic acid compns. encoding ***stichodactylidaen*** chromoproteins
and fluorescent mutants thereof, as well as the polypeptide compns.
encoded by the same, are provided. The proteins of interest are proteins
that are colored and/or fluorescent, where this feature arises from the
interaction of two or more residues of the protein. Also of interest are
proteins that are substantially similar to, or mutants of, the above
specific proteins, including non-aggregating mutants and mutants with
modulated oligomerization characteristics as compared to wild type. Thus,
the two wild-type chromoprotein isoforms from Heteractis crispa exhibit a
strong emission max. at .apprx.580-640 nm. Site-specific mutagenesis of
the Cys-148 residue to serine dramatically increases the quantum yield of
red fluorescence as compared to the wild-type protein, and further random
mutagenesis (A2S, T36A, C143S, L173H, P201L, K204E) yielded an even
brighter mutant. A single mutation, L126H, may be responsible for
modifying the oligomeric state of the protein from tetrameric to dimeric.
Also provided are fragments of the nucleic acids and the peptides encoded
thereby, as well as antibodies to the subject proteins and transgenic
cells and organisms. The subject protein and nucleic acid compns. find
use in a variety of different applications. Finally, kits for use in such
applications, e.g., that include the subject nucleic acid compns., are
provided.

AN 2002:293685 CAPLUS

DN 136:321045

TI Far red-shifted fluorescent proteins and their variants from Heteractis
crispis

IN Lukyanov, Sergey Anatolievich; Fradkov, Arcady Fedorovich; Lukyanov,
Konstantin Anatolievich; Gurskaya, Nadezda Georgievna

PA Clontech Laboratories, Inc., USA

SO PCT Int. Appl., 81 pp.

CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 17

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002030965	A2	20020418	WO 2001-US32080	20011012
	WO 2002030965	A3	20030605		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA	2425318	AA	20020418	CA 2001-2425318	20011012
AU	2002011722	A5	20020422	AU 2002-11722	20011012
EP	1334122	A2	20030813	EP 2001-979797	20011012
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP	2004532606	T2	20041028	JP 2002-534350	20011012
PRAI	US 2000-240018P	P	20001012		
	US 2001-306131P	P	20010716		
	WO 2001-US32080	W	20011012		

=> file dgene

COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
7.14	9.06

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE ENTRY	TOTAL SESSION
-0.70	-0.70

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FILE 'DGENE' ENTERED AT 16:00:17 ON 16 DEC 2004
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FILE LAST UPDATED: 8 DEC 2004 <20041208/UP>

DGENE CURRENTLY CONTAINS 6,445,176 BIOSEQUENCES

>>> NEW DISPLAY FIELDS LS AND LS2 (LEGAL STATUS DATA FROM THE INPADOC DATABASE) AVAILABLE IN DGENE - SEE NEWS <<<

>>> ONLINE THESAURUS AVAILABLE IN /PACO <<<

>>> DOWNLOAD THE DGENE WORKSHOP MANUAL:

http://www.stn-international.de/training_center/bioseq/dgene_wm.pdf

>>> DOWNLOAD COMPLETE DGENE HELP AS PDF:

http://www.stn-international.de/training_center/bioseq/dgene_help.pdf <<<

>>> DOWNLOAD DGENE BLAST/GETSIM FREQUENTLY ASKED QUESTIONS:

<http://www.stn-international.de/service/faq/dgenefaq.pdf> <<<

=> stichodactylidaen

L4 28 STICHODACTYLIDAEN

=> d ti 1-18

L4 ANSWER 1 OF 28 DGENE COPYRIGHT 2004 The Thomson Corp on STN
TI Novel nucleic acid encoding ***Stichodactylidaen*** chromoprotein and its fluorescent mutant useful as coloring agent, labels in analyte detection assays, markers in recombinant DNA applications and filters in sunscreens -

L4 ANSWER 2 OF 28 DGENE COPYRIGHT 2004 The Thomson Corp on STN
TI Novel nucleic acid encoding ***Stichodactylidaen*** chromoprotein and its fluorescent mutant useful as coloring agent, labels in analyte detection assays, markers in recombinant DNA applications and filters in sunscreens -

L4 ANSWER 3 OF 28 DGENE COPYRIGHT 2004 The Thomson Corp on STN
TI Novel nucleic acid encoding ***Stichodactylidaen*** chromoprotein and

detection assays, markers in recombinant DNA applications and filters in
sunscreens -

L4 ANSWER 28 OF 28 DGENE COPYRIGHT 2004 The Thomson Corp on STN
TI Novel nucleic acid encoding ***Stichodactylidaen*** chromoprotein and
its fluorescent mutant useful as coloring agent, labels in analyte
detection assays, markers in recombinant DNA applications and filters in
sunscreens -

=> d ab bib 1

L4 ANSWER 1 OF 28 DGENE COPYRIGHT 2004 The Thomson Corp on STN
AB The invention relates to a nucleic acid present in other than its natural
environment and encoding an ***Stichodactylidaen*** chromoprotein or
its fluorescent mutant, where the fluorescent protein has an emission
maximum ranging from 580-660 nm. The polynucleotides and encoded proteins
are useful in applications employing a chromo or fluorescent nucleic acid
or protein. Recombinant vectors comprising the nucleic acid is useful for
producing an Anthozoan chromo and/or fluorescent protein. The
chromoproteins, and their fluorescent mutants are useful as colouring
agents capable of imparting colour or pigment to a particular composition
of matter. The chromoproteins can be incorporated into a variety of
different compositions including food compositions, pharmaceuticals,
cosmetics, living organisms, e.g. animals and plants, and as labels in
analyte detection assays, e.g. assays for biological analytes of interest
(see ABL41167 for a detailed description of the various uses of the
chromoproteins). The present sequence represents the alternative
embodiment of the H. crispa wild-type base isoform hcCP cDNA.
AN ABB08000 Protein DGENE
TI Novel nucleic acid encoding ***Stichodactylidaen*** chromoprotein and
its fluorescent mutant useful as coloring agent, labels in analyte
detection assays, markers in recombinant DNA applications and filters in
sunscreens -
IN Lukyanov S A; Fradkov A F; Lukyanov K A; Gurskaya N G
PA (CLON-N) CLONTECH LAB INC.
PI WO 2002030965 A2 20020418 81p
AI WO 2001-US32080 20011012
PRAI US 2000-240018P 20001012
US 2001-306131P 20010716
DT Patent
LA English
OS 2002-444170 [47]
CR N-PSDB: ABL41182
DESC H. crispa chromoprotein wild-type base isoform hcCP.

=> log y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	29.56	38.62
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.70

STN INTERNATIONAL LOGOFF AT 16:14:09 ON 16 DEC 2004

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